

3X

Proposal Submitted By

Name

Address

City

Letting December 13, 2002

**NOTICE TO PROSPECTIVE BIDDERS**

This proposal can be used for bidding purposes  
by only those companies that request and receive  
written AUTHORIZATION TO BID from IDOT's  
Central Bureau of Construction.  
(SEE INSTRUCTIONS ON THE INSIDE OF COVER)

# Notice To Bidders, Specifications, Proposal, Contract and Contract Bond



Illinois Department  
of Transportation

Springfield, Illinois 62764

Contract No. 66176  
GRUNDY County  
Section (111)I-1  
Route FAP 326  
District 3 Construction Funds

PLEASE MARK THE APPROPRIATE BOX BELOW:

- ☐ A Bid Bond is included.
- ☐ A Cashier's Check or a Certified Check is included.

Prepared by

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Checked by

(Printed by authority of the State of Illinois)

BIDDERS NEED NOT RETURN THE ENTIRE PROPOSAL  
(See instructions inside front cover)

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## INSTRUCTIONS

**ABOUT IDOT PROPOSALS:** All proposals issued by IDOT are potential bidding proposals. Each proposal contains all Certifications and Affidavits, a Proposal Signature Sheet and a Proposal Bid Bond required for Prime Contractors to submit a bid after written **Authorization to Bid** has been issued by IDOT's Central Bureau of Construction.

**HOW MANY PROPOSALS SHOULD PROSPECTIVE BIDDERS REQUEST?:** Prospective bidders should, prior to submitting their initial request for plans and proposals, determine their needs and request the total number of plans and proposals needed for each item requested. There will be a nonrefundable charge of \$15 for each set of plans and specifications issued.

**WHO CAN BID?:** Bids will be accepted from only those companies that request and receive written **Authorization to Bid** from IDOT's Central Bureau of Construction. To request authorization, a potential bidder must complete and submit Part B of the Request for Proposal Forms and Plans & Request for Authorization to Bid form (BDE 124) and submit an original Affidavit of Availability (BC 57).

**WHAT CONSTITUTES WRITTEN AUTHORIZATION TO BID?:** When a prospective prime bidder submits a "Request for Proposal Forms and Plans" he/she must indicate at that time which items are being requested For Bidding purposes. Only those items requested For Bidding will be analyzed. After the request has been analyzed, the bidder will be issued a **Proposal Denial and/or Authorization Form**, approved by the Central Bureau of Construction, that indicates which items have been approved For Bidding. If **Authorization to Bid** cannot be approved, the **Proposal Denial and/or Authorization Form** will indicate the reason for denial. If a contractor has requested to bid but has not received a **Proposal Denial and/or Authorization Form**, they should contact the Central Bureau of Construction in advance of the letting date.

**WHAT MUST BE INCLUDED WHEN BIDS ARE SUBMITTED?:** Bidders need not return the entire proposal when bids are submitted. That portion of the proposal that must be returned includes the following:

1. All documents from the Proposal Cover Sheet through the Proposal Bid Bond
2. Other special documentation and/or information that may be required by the contract special provisions

All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed by IDOT personnel.

**ABOUT SUBMITTING BIDS:** It is recommended that bidders deliver bids in person to insure they arrive at the proper location prior to the time specified for the receipt of bids. Any bid received at the place of letting after the time specified will not be accepted.

### WHO SHOULD BE CALLED IF ASSISTANCE IS NEEDED?

Questions Regarding	Call
Prequalification and/or Authorization to Bid	217/782-3413
Preparation and submittal of bids	217/782-7806
Mailing of plans and proposals	217/782-7806

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**ILLINOIS DEPARTMENT OF TRANSPORTATION  
SCHEDULE OF PRICES**

Page 1  
11/22/2002

State Job # - C-93-072-01  
PPS NBR - 0-33379-0200  
County Name - GRUNDY--  
Code - 63 - -  
District - 3 - -  
Section Number - (111)I-1

**CONTRACT  
NUMBER -**

66176

Project Number

Route  
FAP-326

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
A2C010G3	T-ASIMINA TRIL CG 3G	EACH	1,155.000				
A2C020G3	T-CARYA CORDIF CG 3G	EACH	1,156.000				
A2C030G3	T-FRAX PENNSYL CG 3G	EACH	1,167.000				
A2C040G3	T-PLAT OCCID CG 3G	EACH	1,167.000				
A2C050G3	T-QUERC BICOL CG 3G	EACH	1,165.000				
A2C060G3	T-QUERC PALUS CG 3G	EACH	1,166.000				
C2C003G3	S-AMOUPHA FRUIT CG 3G	EACH	40.000				
C2C015G3	S-CORNUS OBLIQ CG 3G	EACH	164.000				
C2C016G3	S-CORNUS RACEM CG 3G	EACH	163.000				
C2C020G3	S-CORNUS STOLO CG 3G	EACH	287.000				
K0026700	TREE CARE	EACH	20,928.000				
K0026810	SHRUB CARE	EACH	1,962.000				
K1005884	TREE TRK PRED PROTECT	EACH	10,173.000				
X0321116	WETLAND SEEDING SPL	ACRE	3.500				
X0322856	WEED CONT N SEL/N RES	GALLON	22.300				

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SCHEDULE OF PRICES  
CONTRACT  
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11/22/2002

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County Name - GRUNDY--  
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District - 3 - -  
Section Number - (111)I-1

Project Number

Route  
FAP-326

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X6110075	FLD TILE DEACT & REM	FOOT	7,550.000				
Z0000990	AGG FOR TEMP ACCESS	TON	50.000				
20100110	TREE REMOV 6-15	UNIT	40.000				
20100210	TREE REMOV OVER 15	UNIT	40.000				
20101400	NITROGEN FERT NUTR	POUND	315.000				
20101500	PHOSPHORUS FERT NUTR	POUND	315.000				
20101600	POTASSIUM FERT NUTR	POUND	315.000				
20101700	SUPPLE WATERING	UNIT	215.000				
25000750	MOWING	ACRE	981.000				
25100105	MULCH METHOD 1	ACRE	3.500				
61139800	STORM SEWER SPEC 4	FOOT	500.000				
61139900	STORM SEWER SPEC 6	FOOT	500.000				
61140000	STORM SEWER SPEC 8	FOOT	500.000				
61140100	STORM SEWER SPEC 10	FOOT	500.000				
61140200	STORM SEWER SPEC 12	FOOT	500.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION  
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CONTRACT  
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11/22/2002

State Job # - C-93-072-01  
PPS NBR - 0-33379-0200  
County Name - GRUNDY--  
Code - 63 - -  
District - 3 - -  
Section Number - (111)I-1

Project Number

Route  
FAP-326

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
67100100	MOBILIZATION	L SUM	1.000				



1. **TIME AND PLACE OF OPENING BIDS.** Sealed proposals for the improvement described herein will be received by the Department of Transportation at the Harry R. Hanley Building, 2300 South Dirksen Parkway, in Springfield, Illinois until 10:00 o'clock a.m., December 13, 2002. All bids will be gathered, sorted, publicly opened and read in the auditorium at the Department of Transportation's Harry R. Hanley Building shortly after the 10:00 a.m. cut off time.
2. **DESCRIPTION OF WORK.** The proposed improvement is identified and advertised for bids in the Invitation for Bids as:

**Contract No. 66176  
GRUNDY County  
Section (111)I-1  
Route FAP 326  
District 3 Construction Funds**

**109.0 acres of wetland restoration consisting of planting of trees and shrubs in an area bordered by Illinois Route 47 and Pine Bluff Road, south of Illinois River at Morris.**

3. **INSTRUCTIONS TO BIDDERS.** (a) This Notice, the invitation for bids, proposal and letter of award shall, together with all other documents in accordance with Article 101.09 of the Standard Specifications for Road and Bridge Construction, become part of the contract. Bidders are cautioned to read and examine carefully all documents, to make all required inspections, and to inquire or seek explanation of the same prior to submission of a bid.  
  
(b) State law, and, if the work is to be paid wholly or in part with Federal-aid funds, Federal law requires the bidder to make various certifications as a part of the proposal and contract. By execution and submission of the proposal, the bidder makes the certification contained therein. A false or fraudulent certification shall, in addition to all other remedies provided by law, be a breach of contract and may result in termination of the contract.
4. **AWARD CRITERIA AND REJECTION OF BIDS.** This contract will be awarded to the lowest responsive and responsible bidder considering conformity with the terms and conditions established by the Department in the rules, Invitation for Bids and contract documents. The issuance of plans and proposal forms for bidding based upon a prequalification rating shall not be the sole determinant of responsibility. The Department reserves the right to determine responsibility at the time of award, to reject any or all proposals, to readvertise the proposed improvement, and to waive technicalities.

By Order of the  
Illinois Department of Transportation

Kirk Brown, Secretary

INDEX  
FOR  
SUPPLEMENTAL SPECIFICATIONS  
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2002

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS and LOCAL AGENCY SPECIAL PROVISIONS.

Std. Spec. Sec.

SUPPLEMENTAL SPECIFICATIONS

Page  
No.

No Supplemental Specifications this year.

RECURRING SPECIAL PROVISIONS

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

<u>CHECK SHEET #</u>		<u>PAGE NO.</u>
1	State Required Contract Provisions All Federal-aid Construction Contracts (Eff. 2-1-69) (Rev. 10-1-83)	1
2	Subletting of Contracts (Federal-aid Contracts) (Eff. 1-1-88) (Rev. 5-1-93)	3
3	X EEO (Eff. 7-21-78) (Rev. 11-18-80)	4
4	X Specific Equal Employment Opportunity Responsibilities NonFederal-aid Contracts (Eff. 3-20-69) (Rev. 1-1-94)	15
5	X Required Provisions - State Contracts (Eff. 4-1-65) (Rev. 4-1-93)	21
6	R.R. Protection Liability Form (Eff. 6-10-58) (Rev. 9-29-67)	26
7	Asphalt Quantities and Cost Reviews (Eff. 7-1-88)	42
8	X National Pollutant Discharge Elimination System Permit (Eff. 7-1-94)	43
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10	Construction Layout Stakes Except for Bridges (Eff. 5-1-93) (Rev. 1-1-02)	45
11	Construction Layout Stakes (Eff. 5-1-93) (Rev. 1-1-02)	48
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15	Quality Control/Quality Assurance of Bituminous Concrete Mixtures (Eff. 1-1-99) (Rev. 1-1-02)	65
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30	Direction Indicator Barricades (Eff. 7-1-99)	114
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## **STATE OF ILLINOIS**

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### **SPECIAL PROVISIONS**

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2002, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways," and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included herein which apply to and govern the construction of FAP Route 326 (IL 47), Section (111)I-1, in Grundy County, and in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

#### **LOCATION OF PROJECT**

Parcel of land between the Illinois River and Pine Bluff Road just east of FAP 326 (IL 47) in Grundy County.

#### **DESCRIPTION OF PROJECT**

This work includes the planting of trees and shrubs on 109.0 acres of wetland restoration area.

#### **COMPLETION DATE**

Effective February 16, 2001

All work associated with this project shall be completed on or before September 15, 2005.

#### **ACCESS TO WETLANDS RESTORATION AREAS**

The Department shall delineate the Wetland Restoration Areas shown on the plans. Those areas shall be accessed from the locations shown on the plans. In addition, the Contractor shall note the locations of the existing wetlands as shown on the plans. The Contractor shall not encroach upon these areas except to perform the necessary work to remove and deactivate the existing field tile system. Any damage to these areas caused by the Contractor's operations, other than the field tile removal and deactivation, shall be mitigated at the Contractor's expense.

## FIELD TILE DEACTIVATION AND REMOVAL

This work consists of locating, removing and disposing of all field tile at locations specified and as directed by the Engineer.

The work shall be performed as follows:

- 1) Locate the tile outlet in the stream bank at the coordinates shown below.
- 2) Begin field excavation in line with the tile and 25 feet away from the end of the outlet. This will keep the stream bank intact. The tile is approximately 12 feet deep next to the outlet and evolves to about 4 feet deep at its extremities
- 3) Expose the top of the tile and begin to excavate a trench moving away from the outlet. Expose the top of the entire tile system, following all limbs of the tile system when joints are observed.
- 4) When the entire length of a limb is exposed, remove tile from that limb of the trench and backfill. Any excess material shall be disposed of according to Article 202.03. The area shall be shaped and trimmed in a manner satisfactory to the engineer according to Section 212. All areas disturbed shall be seeded according to Article 250. The type of seed shall be Type 7 Special.
- 5) Continue with each limb until the entire tile system is removed. The trunk line excavation should be left open and filled last.
- 6) If the excavated trenches do not pass through all of the mapped sinkholes and repair locations, then excavation should begin at each of these locations. Follow any limbs and tile lines toward the outlet and away from the outlet.
- 7) If any tile proceeding towards the north, south, or east property boundary appears to be flowing or open and potentially functional during excavation, the trench should be left open. This will provide the option to direct this off-site water through the IDOT site to the creek using a solid pipe, if it appears that the existing tile has some drainage function on adjacent properties. Leave the first 25 feet from the outlet intact to prevent stream bank erosion.

Coordinates of known tile locations (Lat/Long - WGS 1984) are as follows:

Tile outlet (visible at low water)

Lat: 41.21.22.71066 N (+/- 2.2 m)

Long: 88.23.41.71841 W (+/- 2.2 m)

Tile repair location (should still have a steel stake present)

Lat: 41.21.21.53934 N (+/- 1.4 m)

Long: 88.23.30.45308 W (+/- 1.4 m)

Sinkhole locations are as follow:

(Tile?) Sinkhole #1

Lat: 41.21.22.13908 N (+/- 1.8 m)

Long: 88.23.28.49360 W (+/- 1.8 m)

(Tile?) Sinkhole #2  
Lat: 41.21.21.47957 N (+/- 1.8 m)  
Long: 88.23.19.64927 W (+/- 1.8 m)

All work necessary for locating, excavating, deactivating and backfilling existing field tile shall be paid for at the contract unit price per foot for FIELD TILE DEACTIVATION AND REMOVAL.

All work necessary to replace field tiles that serve adjacent properties shall be performed according to Section 611 of the Standard Specifications for Road and Bridge Construction except that the type of material permitted for Storm Sewer (Special) shall be Polyvinyl Chloride (PVC) pipe (Article 1040.10) and be paid for as Storm Sewer (Special).

### TREE TRUNK PREDATOR PROTECTION

This work shall consist of providing the necessary personnel and equipment to install predator protection to all trees and shrubs from the ground line to a height of 3 feet. The Contractor shall use one-half inch square mesh, galvanized, steel wire with a minimum gauge of 19 (poultry netting) at a diameter of 14 inches measured from the center of the trunk with a 4-inch overlap. The screen wire shall be secured with a minimum of four steel staples (hog rings). Each mesh tube shall be supported with 2 wooden stakes and secured in the ground with four 6 inch long staples, such as those used to secure erosion control blanket. 42 or 48 HARDWARE CLOTH Pig RINGS

In May 2004, the Contractor shall remove and replace damaged predator protection as needed, not to exceed 2543 unless authorized by the Engineer. Any predator protection damaged due to Contractor operations shall be replaced immediately at the Contractor's expense.

The original installation of predator protection and the replacement of any installations damaged by circumstances other than Contractor operations will be paid for at the contract unit price per Each for TREE TRUNK PREDATOR PROTECTION.

### WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL

Description: This work shall consist of the application of a non-selective and non-residual herbicide (Roundup or equal) in those areas specified in the plans.

Materials: The non-selective and non-residual herbicide (Roundup or equal) shall have the following formulation:

A. Active Ingredient	
*Glyphosate, N-(phosphonomethyl) glycine, in the form of its isopropylamine salt	41.0%
B. Inert Ingredients (including surfactant)	<u>59.0%</u>
TOTAL	100.0%

\*Contains 4 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its isopropylamine salt. Equivalent to 3 pounds per U.S. gallon of the acid, glyphosate.

The Contractor shall submit a certificate, including the following, prior to starting work:

1. The chemical names of the compound and the percentage by volume of the ingredients which must match the above specified formulation.
2. A statement that the material is in a solution which will form a satisfactory emulsion for use when diluted with water for normal spraying condition.
3. A statement that the Roundup or equal, when mixed with water, will be completely soluble and dispersible and remain in suspension with continuous agitation.
4. A statement describing the products proposed for use when the manufacturer of Roundup or equal requires that surfactants, drift control agents, or other additives be used with the product. These tank mix additives shall be used as specified by the manufacturer. Required additives will not be paid for separately.

**All material shall be brought to the spray area in the original, unopened containers supplied by the manufacturer.**

Application Rate: The Roundup or equal non-selective and non-residual herbicide shall be applied at the rate of one gallon per acre.

One gallon of Roundup or equal formulation shall be diluted with a minimum of 55 gallons of water and applied as a mixture. Water for dilution of the mixture will not be paid for separately.

Method of Measurement: Weed Control, Non-selective and Non-residual will be measured for payment in gallons of undiluted Roundup or equal applied as specified. The gallons for payment will be determined based on the gallons specified on the label attached to the original container supplied by the manufacturer.

Basis of Payment: Weed Control, Non-selective and Non-residual will be paid for at the contract unit price per gallon for WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL. Water dilution of the mixture and additives required for application will not be paid for as separate items, but the costs shall be considered as included in the contract price for Weed Control, Non-selective and Non-residual, and no additional compensation will be allowed.

## **REQUIRED INSPECTION OF WOODY PLANT MATERIAL**

Delete the first sentence of Article 1081.01(c)(1) and substitute the following:

The Contractor is responsible for the inspection of plant material by a Registered Landscape Architect prior to bringing plants to the site. All plant material must be in the field (or in storage houses) of the nursery supplying the material at the time of this inspection. Written certification by the Registered Landscape Architect will be required certifying that the plants are true to their species and/or cultivar specified in the plans.

The Contractor shall provide the Engineer 30 calendar days advance notice of the plant material being shipped to the site. These plants must also be certified by the Engineer, or duly authorized representative of the Department after arriving at the site.

## **PLANTING WOODY PLANTS**

This work shall be done in accordance with applicable portions of Section 253 of the Standard Specifications. This work shall consist of digging and preparing plant holes, and furnishing, transporting, and planting woody plants including trees and shrubs.

It shall also include all incidental operations, care of living plants, and replacement of unsatisfactory plants.

Article 253.01 Materials: Trees and shrubs shall be containerized. (3 gallon) as specified in the plans.

Article 253.03 Planting Time: All planting shall be completed between March 1 and May 15, 2004. All plant material not planted according to the specified seasonal date shall require prior written approval from the Engineer.

Article 253.07 Layout of Planting: Add the following sentences: "The planting rate is 64 trees and 6 shrubs per acre. The species shall be located in each area as shown on the plans. They should be planted approximately 25 ft. on center in staggered rows for ease of mowing. The Contractor shall layout tree and shrub locations and notify the Engineer at least 72 hours prior to planting each site. This layout must be approved by the District Landscape Architect before planting begins."

Article 253.08 Excavation of Plant Holes: The use of augers shall be allowed for excavation of plant holes.

Article 253.10 Planting Procedures: Add the following sentence to paragraph 3: "All trees shall be marked on the north side with orange tree marking paint."

Article 253.11 Mulch Cover: No mulch cover or weed barrier fabric will be required.

Article 253.16 Method of Measurement Add the following paragraph: "The excavation and disposal of excavated materials and care of the plants are included in the price of the trees."

Article 253.17 Basis of Payment: This work will be paid for 80% of the contract unit price each for several kinds and sizes of trees, shrubs and vines found to be in a live and healthy condition by May 15, 2004 as specified in Article 253.14. The remaining 20% of the contract unit price each will be paid for after the successful completion of all required replacement plantings and clean up work and receipt of the "Final Acceptance of Landscape Work" memorandum from the Bureau of Maintenance.

## **MOWING**

Scope: This work will include mowing wetland restoration areas as described in the CALENDAR OF CONSTRUCTION AND ESTABLISHMENT WORK, located in these specifications.

Schedule: See CALENDAR OF CONSTRUCTION AND ESTABLISHMENT WORK for mowing dates

Mowing Heights: Wetland restoration areas are to be mowed to a height of 3 inches

Method: Any damage to plantings or predator protection caused by the mowing operation must be promptly repaired at the Contractor's expense.

Basis of Payment: This work will be paid at the contract unit price per acre for MOWING. Payment for mowing and trimming will include the cost of all materials, equipment, and labor necessary to complete the work as specified. Any damages caused by the mowing operations during the cycle must be repaired to the complete satisfaction of the Engineer before any areas mowed during the cycle will be measured for payment.

## **SUPPLEMENTAL WATERING**

Scope: This work will include watering trees and shrubs at the rates specified and as directed by the Engineer.

Schedule: See CALENDAR OF CONSTRUCTION AND ESTABLISHMENT WORK for supplemental watering dates. Watering will only begin after the successful completion of all period of establishment requirements.

Water must be completed in a timely manner. When the Engineer directs the Contractor to do supplemental watering, the Contractor must begin the watering operation within 24 hours and must apply a minimum of 10 units of water per day until the watering directed is complete. Damage to plant material that is a result of the Contractor's failure to water in a timely way must be repaired or replaced at the Contractor's expense.

Source of Water: The Contractor shall notify the Engineer of the source of water used and provide written certification that the water does not contain chemicals harmful plant growth.

Rate of Application: The normal rates of application for watering are as follows. The Engineer will adjust these rates as needed depending upon weather conditions.

Trees: 10 gallons per tree  
Shrubs: 3 gallons per shrub

Method of Application: An open hose may be used to water trees and shrubs, if soil is not displaced by watering. Water shall trickle slowly into soil and completely soak the root zone. The Contractor must supply metering equipment as needed to assure the specified application rate of water.

Method of Measurement: Supplemental watering will be measured in units of 1000 gallons of water applied as directed.

Basis of Payment: This work will be paid for at the contract unit price per unit of SUPPLEMENTAL WATERING, measured as specified. Payment will include the cost of all water, equipment and labor needed to complete the work specified herein and to the satisfaction of the Engineer.

## **WETLAND SEEDING (SPECIAL)**

This work shall be done in accordance with applicable portions of Section 250 of the Standard Specifications. All exposed surfaces will be seeded to Wetland Seeding (Special).

Wetland Seeding (Special) shall consist of the following:

<u>Common Name</u>	<u>Scientific Name</u>	<u>Quantity/Acre</u>
annual rye	(Secale cereale)	50 lb.
timothy	(Phleum pratense)	03 lb.
redtop	(Agrostis alba)	03 lb.

**Seeding Time:** Wetland Seeding (Special) will be sown for erosion control as soon as all of the earth is excavated and the specified grading and shaping are completed. Mulching shall be Mulch Method 1 (Section 251.03).

**Method of Measurement:** Wetland Seeding (Special) shall be measured as specified in Article 250.08 of the Standard Specification, in acres of surface area needed.

**Basis of Payment:** Wetland Seeding (Special) measured as provided above, will be paid for at the contract unit price per Acre of WETLAND SEEDING (SPECIAL) as specified.

## **WOODY PLANT CARE**

**Description:** This work shall consist of weeding, debris removal and disposal, insect control, pruning, edging, removal of tree stakes and wires from replacement trees, and other plant care work items for each work cycle as described herein and as directed by the Engineer. The work required for each work cycle shall be scheduled to be complete and acceptable at the time of inspection.

**Inspection Date:** Woody plant care will be inspected on the date specified in the CALENDAR OF CONSTRUCTION AND ESTABLISHMENT WORK. The work required for each work cycle must be 100 percent complete on the inspection date. Partial inspections will not be made.

### Work Cycle Requirements

- Dead branches, sucker growth and broken or objectionable branches must be pruned.
- Dead plants must be removed and properly disposed of.
- Plants must be sprayed to eliminate any insect infestation.
- All debris which results from this operation must be removed from the site.

**Method of Measurement:** This work, woody plant care, will be measured for payment as each tree (shade or intermediate) and each shrub cared for to the satisfaction of the Engineer on the inspection date specified in the plans. Measurement for payment of this work will be performed on the inspection date specified in the plans. If the inspection discloses any work as being unsatisfactory, the Engineer will give the Contractor the necessary instructions for correction of same, and the Contractor shall immediately comply with such instructions and correct the unsatisfactory work on the inspection date. Work that is not acceptable on the inspection date will not be measured for payment. Each tree care and shrub care work cycle specified in the CALENDAR OF CONSTRUCTION AND ESTABLISHMENT WORK will be measured separately for payment.



**Basis of Payment:** This work, woody plant care, will be paid for at the contract unit price each for TREE CARE and SHRUB CARE which price shall include all materials, equipment and labor necessary to complete the work as specified.

### CALENDAR OF CONSTRUCTION AND ESTABLISHMENT WORK

All work shall be completed as described in the table below. All work not completed according to the specified seasonal date shall require prior written approval from the Engineer.

CALENDAR OF CONSTRUCTION AND ESTABLISHMENT WORK				
YEAR	WORK DATES		CONSTRUCTION WORK	ESTABLISHMENT WORK
	FROM	TO		
2003	April 15	May 15		Mow vegetation in Wetland Restoration areas.
	June 15	July 15		Mow vegetation in Wetland Restoration areas.
	Aug. 15	Sept. 15		Mow vegetation in Wetland Restoration areas.
YEAR	WORK DATES		CONSTRUCTION WORK	ESTABLISHMENT WORK
	FROM	TO		
2004	March 1	May 15	Deactivate and remove field tile system in and adjacent to area K with non-selective and non-residual weed Spray areas H and J control. Install all plants and tree trunk predator protection.	Mow vegetation in Wetland Restoration areas for site preparation.
	May 15		Certification to the Bureau of Maintenance that all woody plants have been installed and are in a live healthy condition and eligible for a September 2004 period of establishment inspection.	
	June 1	June 30	Period of establishment plant care required for woody plants	Supplemental watering of woody plants unless deleted by the Engineer.
	June 15	July 15		Mow vegetation in Wetland Restoration areas.
	July 1	July 31	Period of establishment plant care required for woody plants	Supplemental watering of woody plants unless deleted by the Engineer.
	Aug. 1	Aug. 31	Period of establishment plant care required for woody plants	Supplemental watering of woody plants unless deleted by the Engineer.
	Aug. 15	Sept. 15		Mow vegetation in Wetland Restoration areas.
	Sept. 1	Sept. 30	Period of establishment plant care required for woody plants.	
	Sept. 1	Sept. 30	Inspection for the successful completion of the period of establishment.	

YEAR	WORK DATES		CONSTRUCTION WORK	ESTABLISHMENT WORK
	FROM	TO		
2005	Thawed soil	May 15	Installation of all required replacement plants, and all required clean up of woody plants shall be completed by this date. Replace all damaged tree trunk predator protection.	
	April 15	May 15		Mow vegetation in Wetland Restoration areas.
		May 15		Inspection date for all woody plant care. (Woody plant care work cycle must be complete and acceptable on the inspection date)
	June 15	July 15		Mow vegetation in Wetland Restoration areas.
		July 15		Inspection date for all woody plant care. (Woody plant care work cycle must be complete and acceptable on the inspection date)
	Aug. 15	Sept. 15		Mow vegetation in Wetland Restoration areas.
		Sept. 15		Inspection date for all woody plant care. (Woody plant care work cycle must be complete and acceptable on the inspection date)

## ERRATA FOR THE 2002 STANDARD SPECIFICATIONS (BDE)

Effective: January 1, 2002

Revised: August 1, 2002

- |          |  |
|----------|--|
| Page vi  | Change "SECTION 501. BITUMINOUS TREATED EARTH SURFACE..." to "SECTION 501. REMOVAL OF EXISTING STRUCTURES..."        |
| Page x   | Change the heading <b>"WIRE AND CABLE"</b> to <b>"LIGHTING, WIRE AND CABLE"</b> .                                    |
| Page x   | Change the heading <b>"CONTROLLER"</b> to <b>"LIGHTING CONTROLLER"</b> .   |
| Page xi  | Change the heading <b>"POLE AND TOWER"</b> to <b>"LIGHTING POLE AND TOWER"</b> .                                     |
| Page xi  | Change "SECTION 830. METAL POLES..." to "SECTION 830. LIGHT POLES..."  |
| Page xi  | Change the heading <b>"FOUNDATION AND BREAKAWAY DEVICES"</b> to <b>"LIGHTING FOUNDATION AND BREAKAWAY DEVICES"</b> . |
| Page xi  | Change the heading <b>"SIGNAL MAINTENANCE"</b> to <b>"TRAFFIC SIGNAL MAINTENANCE"</b> .                              |
| Page xi  | Change the heading <b>"CONTROLLERS"</b> to <b>"TRAFFIC SIGNAL CONTROLLERS"</b> .                                     |
| Page xii | Change the heading <b>"CONTROL EQUIPMENT"</b> to <b>"TRAFFIC SIGNAL CONTROL EQUIPMENT"</b> .                         |
| Page xii | Change the heading <b>"WIREWAY AND CONDUIT SYSTEM"</b> to <b>"TRAFFIC SIGNAL WIREWAY AND CONDUIT SYSTEM"</b> .       |
| Page xii | Change the heading <b>"WIRE AND CABLE"</b> to <b>"TRAFFIC SIGNAL WIRE AND CABLE"</b> .                               |
| Page xii | Change the heading <b>"POST AND FOUNDATION"</b> to <b>"TRAFFIC SIGNAL POST AND FOUNDATION"</b> .                     |
| Page xii | Change the heading <b>"SIGNAL HEAD"</b> to <b>"TRAFFIC SIGNAL HEAD"</b> .  |
| Page xii | Change the heading <b>"DETECTION"</b> to <b>"TRAFFIC SIGNAL DETECTION"</b> .   |
| Page xii | Change the heading <b>"MICELLANEOUS"</b> to <b>"TRAFFIC SIGNAL MICELLANEOUS"</b> .                                   |

Rev 10-16-02

11-8-02

INDEX

- 1 COVER SHEET
- 2 SUMMARY OF QUANTITIES & GENERAL NOTES
- 3 SCHEDULES
- 4 PLAN VIEW

3X

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

F.A.P. 326 ( IL 47 )  
SECTION (111)I-1

GRUNDY COUNTY  
C-93-072-01

STANDARDS

000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS  
001006 DECIMAL OF AN INCH AND OF A FOOT  
280001-02 TEMPORARY EROSION CONTROL SYSTEM

MICROFILMED \_\_\_\_\_  
REEL NUMBER \_\_\_\_\_  
AWARDED \_\_\_\_\_  
RESIDENT ENGINEER \_\_\_\_\_  
AS BUILT CHANGES WERE MADE  
ON THE FOLLOWING SHEETS \_\_\_\_\_

JULIE 1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: DAN DRAPER  
UNIT CHIEF: MICHELE LINDEMANN  
TOWNSHIP: WAUPONSEE

CONTRACT NO. 66176



LOCATION MAP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET
326	(111)I-1	GRUNDY	4
PARALLEL	ILLINOIS PROJECT		1

D-93-050-01



LOCATION OF SECTION INDICATED THUS: [Symbol]

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 2/1/02 2002  
October 4, 2002 DISTRICT ENGINEER  
Michael Rhin  
October 4, 2002 ENGINEER OF DESIGN AND ENVIRONMENT  
James P. Easton  
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(1111)-1	GRUNDY	4	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			
CODE NO.	CONSTRUCTION CODE TYPE:		TOTAL QUANTITY
	ITEM	UNIT	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	40
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	40
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	315
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	315
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	315
20101700	SUPPLEMENTAL WATERING	UNIT	215
25000750	MOWING	ACRE	981
25100105	MULCH, METHOD 1	ACRE	3.5
X0321116	WETLAND SEEDING (SPECIAL)	ACRE	3.5
61139800	STORM SEWERS, SPECIAL 4"	FOOT	500
61139900	STORM SEWERS, SPECIAL 6"	FOOT	500
61140000	STORM SEWERS, SPECIAL 8"	FOOT	500
61140100	STORM SEWERS, SPECIAL 10"	FOOT	500
61140200	STORM SEWERS, SPECIAL 12"	FOOT	500
67100100	MOBILIZATION	L SUM	1
K0026700	TREE CARE	EACH	29928
K0026810	SHRUB CARE	EACH	1961
X0322856	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALLON	22.3
Z0000990	AGGREGATE FOR TEMPORARY ACCESS	TON	50
A2C01063	TREE, ASIMINA TRILOBA (PAW PAW) - CONTAINER GROWN (3 GALLON)	EACH	1155
A2C02063	TREE, CARYA CORDIFORMIS (BITTERNUT HICKORY) - CONTAINER GROWN (3 GALLON)	EACH	1156
A2C03063	TREE, FRAXINUS PENNSYLVANICA (GREEN ASH) - CONTAINER GROWN (3 GALLON)	EACH	1167
A2C04063	TREE, PLATANUS OCCIDENTALIS (SYCAMORE) - CONTAINER GROWN (3 GALLON)	EACH	1167
A2C05063	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK) - CONTAINER GROWN (3 GALLON)	EACH	1165
A2C06063	TREE, QUERCUS PALUSTRIS (PIN OAK) - CONTAINER GROWN (3 GALLON)	EACH	1166
C2C00363	SHRUB, AMOUPIA FRUTICOSA (INDIGO BUSH) - CONTAINER GROWN (3 GALLON)	EACH	40
C2C01563	SHRUB, CORNUS OBLIQUA (PALE DOGWOOD) - CONTAINER GROWN (3 GALLON)	EACH	164
C2C01663	SHRUB, CORNUS RECMOSA (GRAY DOGWOOD) - CONTAINER GROWN (3 GALLON)	EACH	163
C2C02063	SHRUB, CORNUS STOLONIFERA (RED OSIER DOGWOOD) - CONTAINER GROWN (3 GALLON)	EACH	287
X6110075	FIELD TILE DEACTIVATION AND REMOVAL	FOOT	7550
K1005884	TREE TRUNK PREDATOR PROTECTION	EACH	10173

### GENERAL NOTES

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: Thomas Z. Fischer  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 10/11/02

EXAMINED BY: Hubert J. Jorg  
DISTRICT CONSTRUCTION ENGINEER  
Kimberly K. Jorg  
DISTRICT MATERIALS ENGINEER  
Bruce A. Winkler  
DISTRICT OPERATIONS ENGINEER

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	<div>SUMMARY &amp; GENERAL NOTES</div> <div> SCALE: VERT. HORIZ. DATE </div> <div> DRAWN BY CHECKED BY </div>	

PLANTING AND SITE PREPARATION SCHEDULE														
PAY ITEM	COMMON NAME	AREA											TOTAL	UNIT
		A	B	C	D	E	F	G	H	I	J	K		
AREA OF EACH SITE	(TOTAL AREA-ACRES)	5.5	0.6	37.1	0.7	4.3	2.2	1.8	19.7	6.0	2.6	28.5	109.0	ACRE
MOWING (9 CYCLES)		49.5	5.4	333.9	6.3	38.7	19.	16.	177.	54.0	23.4	256.5	981.0	ACRE
WEED CONTROL									19.7		2.6		22.3	GAL
TREES:														
ASIMINA TRILOBA	PAW PAW	59	6	396	0	45	24	19	210	64	28	304	1155	EACH
CARYA CORDIFORMIS	BITTERNUT HICKORY	59	6	396	0	46	24	19	210	64	28	304	1156	EACH
FRAXINUS PENNSYLVANICA	GREEN ASH	59	6	396	11	46	24	19	210	64	28	304	1167	EACH
PLATANUS OCCIDENTALIS	SYCAMORE	59	6	396	11	46	23	20	210	64	28	304	1167	EACH
QUERCUS BICOLOR	SWAMP WHITE OAK	58	7	395	11	46	23	19	211	64	27	304	1165	EACH
QUERCUS PALUSTRIS	PIN OAK	58	7	395	12	46	23	19	210	64	28	304	1166	EACH
TOTAL (TREES)		352	38	2374	45	275	141	115	1261	384	167	1824	6976	EACH
SHRUBS:														
AMOUPIA FRUTICOSA	INDIGO BUSH	2	1	11	1	2	1	1	7	2	1	11	40	EACH
CORNUS OBLIQUA	PALE DOGWOOD	8	1	56	1	7	3	3	29	9	4	43	164	EACH
CORNUS RECMOSA	GRAY DOGWOOD	8	1	56	1	6	4	2	30	9	4	42	163	EACH
CORNUS STOLONIFERA	RED OSIER DOGWOOD	15	1	100	1	11	5	5	52	16	7	74	287	EACH
TOTAL (SHRUBS)		33	4	223	4	26	13	11	118	36	16	170	654	EACH
TREE TRUNK PREDATOR PROTECTION:														
ORIGINAL INSTALLATION 2004		385	42	2597	49	301	154	126	1379	420	183	1994	7630	EACH
ESTIMATED REPLACEMENT 2005		128	14	866	16	100	51	42	460	140	61	665	2543	EACH
TOTAL (TREE TRUNK PRED. PROT.)		513	56	3463	65	401	205	168	1839	560	244	2659	10173	EACH
SUPPLEMENTAL WATERING (3 CYCLES)		11	1	73	1	8	4	4	39	12	5	56	215	UNIT
TREE CARE (3 CYCLES)		1066	114	2122	105	805	429	365	3785	1152	506	5472	20928	EACH
SHRUB CARE (3 CYCLES)		88	12	669	13	78	39	33	354	108	48	510	1962	EACH

KNOWN TILE LOCATIONS		
LOCATION	LATITUDE	LONGITUDE
TILE OUTLET	41.21.22.71066 N	88.23.41.71841 W
TILE REPAIR LOCATION	41.21.21.53934 N	88.23.30.45308 W
SINKHOLE #1	41.21.22.13908 N	88.23.28.49360 W
SINKHOLE #2	41.21.21.47957 N	88.23.19.64927 W

TREE REMOVAL SCHEDULE		
LOCATION	TREE REMOVAL 6 TO 15 UNIT DIA	TREE REMOVAL OVER 15 UNIT DIA.
	UNIT	UNIT
ENTIRE SITE	40	40
TOTAL	40	40

NOTE: TO BE USED AS DIRECTED BY THE ENGINEER DURING FIELD TILE REMOVAL AND DEACTIVATION



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	1111 1-1	GRUNDY	4	4
STA.		TO STA.		
FED. ROAD DIST. MI.		ILLINOIS FED. AID PROJECT		



# FIELD TILE OUTLET AREAS

- T1) N. 1708045.513  
E. 967341.819
- T2) N. 1707926.367  
E. 968200.829
- T3) N. 1707986.97  
E. 968350.298
- T4) N. 1707919.779  
E. 969024.722

- WETLAND RESTORATION**
- EXISTING WETLAND AREAS**

ACCESS POINT	FIELDS ACCESSIBLE
1	F,G
1A	F
2	A,B,C,D,E
3	K
3A	K
4	I,J

- NOTES:
1. ACCESS POINTS ARE APPROXIMATE. FIELD CONDITIONS WILL DETERMINE EXACT LOCATIONS.
  2. THE CONTRACTOR SHALL NOT ENROACH UPON EXISTING WETLAND AREAS EXCEPT TO PERFORM NECESSARY WORK TO REMOVE AND DEACTIVATE THE EXISTING FIELD TILE SYSTEM.